

WHAT IS CLAIMED IS:

1. An automotive on-board antenna which has a plurality of antennas provided on surfaces of a plurality of window glasses of a vehicle, comprising:

5 a first antenna including a first radiation element provided on the same surface of one window glass of the plurality of window glasses and a first grounding conductor which surrounds a periphery of an outer edge portion of the first radiation element at a position spaced away outwardly from the outer edge  
10 portion of the first radiation element, and

a second antenna including a second radiation element provided on the same surface of the other window glass of the plurality of window glasses and a second grounding conductor which surrounds a periphery of an outer edge portion of the  
15 second radiation element at a position spaced away outwardly from the edge portion of the second radiation element.

2. The automotive on-board antenna as set forth in Claim 1, wherein

20 at least either of the first radiation element and the second radiation element includes an inner cut-out portion for allowing the surface of the associated window glass to be exposed therethrough.

3. The automotive on-board antenna as set forth in Claim 1, wherein

the plurality of window glasses include a windscreen and a rear window glass.

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4. The automotive on-board antenna as set forth in Claim 2, wherein

at least either of the first radiation element and the second radiation element which include the inner cut-out portion  
10 is provided on the surface of the windscreen of the plurality of window glasses.

5. The automotive on-board antenna as set forth in Claim 1, wherein

15 the first antenna and the second antenna are disposed on the outer edge portions of the window glasses.

6. The automotive on-board antenna as set forth in Claim 1, wherein

20 the first antenna and the second antenna are disposed at vertically upper portions of the window glasses.

7. The automotive on-board antenna as set forth in Claim  
1, wherein

the first antenna and the second antenna constitute a  
diversity system for performing diversity transmission and  
5 reception.